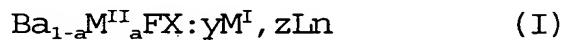


5

ABSTRACT OF THE DISCLOSURE

Spherical particles of a rare earth activated barium fluoride halide phosphor precursor having the formula (I) :

10



[in which M^{II} is Ca or Sr; M^{I} is Li, Na, K, Rb or Cs; X is Cl, Br or I; Ln is a rare earth element; and a, y and z are numbers satisfying the conditions of $0 \leq a \leq 0.5$, $0 \leq 15$ $y \leq 0.05$, and $0 < z \leq 0.2$] are favorably employable for preparing spherical rare earth activated barium fluoride halide phosphor particles.